PLATE 18 OF 20

SOUTHEAST BAGGS QUADRANGLE.

WYOMING - COLORADO

7.5 MINUTE SERIES (TOPOGRAPHIC) **GEOLOGICAL SURVEY** 41*07'30" R.91 W. R.90 W. 1.24 1.05 0.12 0.10 EXPLANATION RB 0.48 0.85 0.64 0.54 0.19 NON-FEDERAL COAL LAND - Land for which the Federal Government does not own the coal RB R(50%) 0.19 0.07 RB 0.19 6. 2.55 1617 RB R(85%) 0.10 0.08 11 ISOPACH - Showing thickness of coal, in feet. Arrow points toward area where coal bed is 5 feet or more thick. NOTE: Identified resources are not calculated beyond dotted line because of insufficient data. FU[13] - Fort Union [13] FU[2] - Fort Union [2] COAL BED SYMBOLS AND NAMES - Coal beds identified by bracketed numbers are not formally named, but are numbered for identification purposes in this quadrangle 14 TRACE OF COAL BED OUTCROP - Showing symbol of name of coal bed as listed above. Arrow points toward coal-bearing area. Short dashed where inferred by present authors. STRIPPING-LIMIT LINE - Boundary for surface mining (in this quadrangle, the 200-foot-overburden isopach). Arrow points toward the area suitable for surface mining where the recovery factor is 85 percent, and away from the area suitable for subsurface mining (down dip to the 3,000-foot-overburden isopach) where the recovery factor is 50 percent. 21 22 20 19 23 05'00" 0.64 0.54 0.19 0.07 (Measured) 1.23 1.05 2.55 1.17 (Indicated) IDENTIFIED COAL RESOURCES - Showing totals for Reserve Base (RB) and Reserves (R), in millions of short tons, for each section or part of section of non-leased Federal coal land, both within and beyond the strippinglimit line. Reserve (R) tonnage is calculated by multiplying the Reserve Base (RB) tonnage by the appropriate recovery factor. Dash indicates no resource in that cate-gory. Reserves have been calculated for a constant thickness of 12 feet for areas where the coal beds are more than 12 feet thick. Therefore, in some instances, underground Reserves may be less than 50 28 percent of the Reserve Base. 30 29 27 26 25 Measured 1 3/4-mile radius 31 Indicated resources (I) T.13 N T.13 N. T.12 N. T.12 N. 02'30" Inferred resources (Inf) Areal distribution and identified resources map of the FU[13] coal bed 12 11 1.35 0.67 0.12 0.06 1.36 0.68 0.84 0.42 Inf RB R(50%) 0.21 0.10 0.68 0.34 15 0.23 0.11 BOUNDARY LINES ~ Enclosing areas of measured (M), indicated (I), and inferred (Inf) coal To convert short tons to metric tons, multiply short tons by 0.9072. R(50%) 0.04 0.09 0.02 R(50%) 0.02 0.01 To convert feet to meters, multiply feet To convert miles to kilometers, multiply miles by 1.6093. 14 41°00′ 107°37′30″ R.91 W. 32'30" R.90W. 107°30′ Compiled in 1979 Base from U.S. Geological Survey, 1957 SCALE 1:24 000 1 MILE 6000 7000 FEET 1 KILOMETER This report has not been edited for conformity with U.S. Geological Survey editorial standards or WYOMING stratigraphic nomenclature. QUADRANGLE LOCATION COAL RESOURCE OCCURRENCE MAP OF THE SOUTHEAST QUARTER OF THE BAGGS

15-MINUTE QUADRANGLE, CARBON COUNTY, WYOMING

BY

DAMES & MOORE

1979

UNITED STATES

DEPARTMENT OF THE INTERIOR

PLATE 18 AREAL DISTRIBUTION AND

IDENTIFIED RESOURCES MAPS OF THE FORT UNION [2] AND FORT UNION [13] COAL BEDS